# STORM DATA



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DIRECTOR NATIONAL CLIMATIC CENTER

	т т		- 1								-1						r		SEPTEMBER 1978
		CAL	РАТН	Ŧ	NO. PERS		ESTIM/ DAM					CAL	АТН	Ŧ	NO. PER		ESTIM.		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
ALABAMA Chilton County	22	2:15p					4	0	Wind/lightning	COLORADO	07	106000000		\ \ \	0	0	5	?	Elach flooding
Chilton County	A se Wind city Tree	vere thund from the park whil and powe	storu e ligh	blew o	lanto ff th aused also	n, Ale rope some down	abama f of a fire in the	around specta damag area	l mid afternoon. for stands at the to two homes.	Grand Junction	Seve home was floo road equi	s. A bri washed 50 ded and t s were da pment was	ents w dge on feet wo fee maged llost.	Monumer away and t of mul in Grant Major	uate nt Ro d des d dep d Vali	d as ad wa troye osite ley. ge wa	flood s swep d. Ma d arou Consi	water t away ny bas nd son derabl to a	Flash flooding damaged several . A mobile home ements were he homes. Several e irrigation power station,
Calhoun County	Anni	ston caus: hour perio	ing fla id. No	sh floo merous	road	Mos were	t of	inche the ra	Flash flood s of rain on in fell within nigh water. The igh School.	Rio Blanco County	and by 9 07 Floor three	major pow some peopl    Afternoon  ding fill  e headgat	er and e to b l ed in es, co	phone the w two mile vered u	outag orst 0 es of p a h	es od cloud 0 irri alf d	curred burst 4 gation aile of	. The in 20 4 ditch fence	storm was said
ALASKA Kenai Peninsula	14- 18				0	0	3	0	Flooding	CONNECTICUT		ged.		REPOR					
	£lood		e upper	Kenai	Rive	‡-պ	pstrea		-13 caused minor Skilak Lake - from	DELAWARE		   	NONE	REPOR	TED				
Northwest Coast	24- 27	elening 1		     	0	O Phone	4		Coastal flooding	FLORIDA Collier County	1	4:00PM EST	i   	ļ	   0	] ] 0	0	0	Waterspout
	Sept. to 40	23 and i miles an damage o	hto the	north accompas souther	ern B mied miew	ering the s ard P	Sea 1 torm. eninsu	ate on High La Sep	Sept. 24. Winds tides and surf did t. 24-25. The low ept. 25, and	Dade County		iles north			or 10	min: 0	İ		Gulf of Mexico Lightning
	cause Kotze was j	d floodin bue on th ust west	of s t day of Bar	ome sec The ow on	ion low c the 2	bf ro bntin bth;	ads an ued a moder	l seve slow n ate be	ral houses in ortheast track and ach erosion ted about 300		The		rother	, appro	kimat	ely :	0 feet		ounty potato field. was knocked to
	niles was o Lab s	north of bserved a	Barro Barro be vil	on the wand lage of	27t he r	h, G pad f	onside rom th	rable e Nava	beach erosion 1 Arctic Research 27th. The low	Dade County		EST anel cloud			0 brid	0 fly	0 2 mile	!	Funnel cloud southwest of Miami
ARIZONA			NONE	REPOR	TED					St. Petersburg, Pinellas County	2	rnational     8:16PM   EST			0	0	 	ĺ	Wind    aircraft at the
ARKANSAS Lake Maumelle - Western Pulaski	3	8:00 a.	       		0	2	0	0	Lightning	Dade County	St.	Petersburg 12:25PM EST	-Clear	water A	irpor 0	t.	0		Funnel cloud
County	Two fisi	fishermen	were	     ajured	when	ligh	tning	struci	their metal	Indian River County		Dade Cou 5:55AM		eported	weat 0	of t	he Pal		Expressway in Funnel cloud
Pulaski and Saline Counties	į į	Morning and Afternoon			10	70	° 7	с	Heavy Rain/ Flooding	Dade County	A fu		was r	eported	15 m	iles O	west		Beach. Waterspout
	arou	ind noon. ion with t	Rainf he lar	all amo gest to	unts d	of te	n to t teen a	hirted nd one	ise, and ceased n inches were -third inches	Palm Beach County	A wa	EST erspout w	as rep	orted e	ast d	f Key	Bisc.		Funnel cloud
	Sou: Beni	lest hit a hwest Lit on in Sal	reas w tle Ro ine Co	ere loc ck, and unty. E	ated in s ight	slong evera of th	Rock 1 sect e fate	and For ions : lities	County. The urche Creeks in n and around cocurred in n. Most of the	Volusia County	west 4	of the ci	ty. 2/10	20	0	0	3	0	nnel cloud 10 miles Tornado
	fat. The	lities we losses in	re chi cluded	ldren o : 2 dw	pryod    ellid	ng ad gs an	ults. d mobi	le hon	es destroyed;	Monroe County	A sm. also 5	was some	o dama minor	ged tre damage	es in to se	the veral	Delton homes 0		Club area. There
_	bus and suf	nesses wi apartment ered loss	th maj	or dama minor	ge; s damag as es	nd 90 e. A timat	8 dwel total ed at	lings, of 1.	mobile homes, 073 families 5 million dollars.	Brevard County	of K	i EST waterspout by West In      Afternoon	ternat	ing nor ional A	hwes Troor	t.	re rep           0		8 miles northwest
Jackson, Cross, and Poinsett Counties		Morning and Afternoon	ľ		0	2		c	Heavy Rain/ Flooding	· ·	A wa nort	terspout w	as obs tian I	erved f		min.	tes ov	er the	Waterspout ocean 8 miles Waterspouts
	The the cot	hardest h damage be on and so	it are ing co ybeans	as were nfined were 1	loca to cr pst.	ted 1 ops. Othe	n Cro Over r los	s Cour 60 tho es inc	l on the counties.  ty with most of  usand scres of  luded: 2 dwellings		Ever,	EST slades Nat Chockolos	ional	Park Ra y.	!!!	! - !	1	!	small waterspouts
CALIFORNIA	min	royed; 2 or damage. mated at	A to over 2	tal of 1 milli 1	72 fa on do	milie	s suf	e; and ered I	59 dwellings with osses. Damage was	Monroe County	13 The off	EST	h ghway	Patrol dissipa	0 repot ted 8	0 ted a y 4:2	0 water OPM.		Waterspout south of Craig
NORTHERN			NONE	REPOR	(ED		) !			Miami Beach, Dade County	14 A wa	3:50PM EST Cerspout d	        Lesipa	ted as	0 Lt ca	0	0	!	Waterspout i Beach at 21st
CALIFORNIA SOUTHERN					0		5	0		Flagler County	14	EST			0	0	O		Waterspout n aircraft a half
Inyo County	4-6		d.dam	re of s	one one	ed fi	.00di.n 90,000	in I	nyo County. onds, bridges,	Monroe County	mile	least of F	Lagler	Beach.	o l	was t	0		m aircraft a haif
Mono County	21	Minds as capsizin	high tg on h	as 65 m	blive to −	re r	() spons sons	ble f	or a boat rovned.	Monroe County	A fu: Airp: 17	nel cloud ort. 1:40PM	was o	bserved	sout	heast 0	of t		West International       Waterspout
1				•		İ		į			A we	j EST \$tward mov	i ing wa	terspou	l was	   герс	tted 8	miles	west of Key West.

		T T	₽			. OF		ATED				ñ	E			OF		ATED'	SEPTEMBER 1978
		1,0CA	F PATH	PATH	PER	SONS	DAI	AAGE	CHARACTER			LOCA	F PATH	PATH S)	PER	SONS	DAA	MGE	CHARACTER
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
FLORIDA (conti		12:18 PM	!			;   0	0	0	Funnel cloud	IDAHO		ĺ.		ļ					
Broward County	1	EST	funnel	cloud	l	¦ į		ì	  southeast of the	Blackfoot area, Bingham County	7	4:30 p.		 	0	0	j 3	0	Wind
	Fort	Lauderdal			irpor 	t.		į			Stro	! hg winds ! 	nocked	down 1	rees	on to	l power	lines	in three places.
Palm Beach County	1 !	12:18 PM EST	    ae 700	    orted_c	O    ffebr	o lre f	O Hi	ļ	Waterspout Beach in southern	Mountain Home area, Elmore County	10	12:30 p.		   	0	0	2	0	Wind
		Beach Cou		   		1 1	OH 111.	i auto			Stro	ng winds o	j juring	ja thund	l lersto	rm b	ew pi	dnic t	bles, a bench, and
Dade County	l i	7:45AM EST		 	0	0	0	0	Waterspout		an a		parked	at the					nt. The bench hit nor damage. The
	A wat		as obs	erved o	ver t	he co	astal	water	s of South Dade	Mountain Home area,	1	12:15 p	!!		   				 
Volusia County	22	11:30AM EST	1/10	10	0	0	1	0	Tornado	Elmore County	Sava	1:30 p.   	louds	       ohserve	d in	vici	l hity o	Moun	tain Home. None
		olusia Co There w						smal	tornado at Oak		obse	rved to re	ach gr	ound.	At le	ast	funn	els we	te photographed.
Hillsboro County	23	1:00PM EST			0	0	0	0	Funnel cloud	Southeast and South Central Idaho	17-	Night			0	0	5	4	Snow and Wind
	A fur Sun (	nel cloud	was r	eported	by a	pilo	t ove	wate	t 6 miles west of		A wi	nter-like s and up l	storm	with sr Inches i	owfa'	ls u	p to 8	inche:	s in populated ed trees, power
Monroe County	23	2:05PM			0	0	0	o	  Funnel cloud		line	s, telepho	ne lir	es, and	crop	s.	he sn	ow con	ributed to minor y fallen tree limbs:
	A fu	EST nel cloud	was 1	  eported 	6 m.:	lles t	est o	   Key   	est.		heav	est damag	e was	to powe	r lir	es f	om fa	len t	for the day. The tee limbs, and
St. Lucie County	25	EST		i I	0	0	0	0	Waterspouts		fiel	ds were be	aten d	own by	the s	now,	and t	ne moi	tong winds. Grain ture caused dam- he ground.
		vaterspout Lucie Inle		report	ed by	the	Coast	Guard 	2 miles east of	ILLINOIS									
Escambia County	26	9:30AM CST			0	0	0	0	  Waterspout 	Menderson and Warren Counties		About 4:30em			0	! !	7	!!	Hailstorm
		terspout, Pensácola					west,	was o	served south of		move	d into	Varrer	Coun	y. 1	ous	win	tows	n County and were broken, rops slashed.
Volusia County	26	2:00PM EST		   	0	0	0	0	Waterspout		The at	hailstor Least as	large	re re	orte	d b	sev	eral en an	bservers to be soybean crops
	1 1	erspout w	as obs	erved b	ί.	( )		ļ.	ast of Ormond Beach		in 1	he Biggs	ville	-Glad	tone	ar	a of	Hend	erson County
Nassau County	26	EST	he ron	    hetad 3	0	0	0	1	Waterspout St. Marys River	Northern Illinois		About 10:00pm			0	2	6	6	Windstorm, Heavy Rain,
	entra	ince.		,	İ			İ	St. Halys Kivel			16th- Early							Lightning
Duval County		2:45PM EST	<u> </u>	ļ.,.,	0	0	0	İ	Waterspouts	ļ		Morning 17th	ا	heeve	ma 4	na h	1+ th	nor	thwestern part
	water	s - one a ort Georg	t the	pouth o	t the	St.	Johns	River	dern Duval County land another over		of t	the state	beg ss n	lnning orth c	the entr	nigl al I	nt of llino	the i	loth, and con-
Okaloosa County	26	5:20PM			0	0	0	0	Waterspout		northe	theastern 17th. W	n Illi	lnois ists o	into ver	the	earl	y mor	hing hours of recorded at Quad
	A wat	CST erspout w	as rep	orted 3	mile	8 800	th of	Fort	alton Beach.		der	son and l	lenry	Count	les.	win Win	l gus	ts ove	also in Hen- erturned mobile everal fires strikes. Four
Volusia County	27	3:25PM EST	1/10	10	   0 	0	1	0	Tornado		[ Dam	rad alvect	est t. 1	vere d	ama z	וס מפ	r tne	nign	winds at the
	Beach	Airport.	It p	assed o	ber t	he at	rport	as a	ar the New Smyrna funnel aloft and		Quac the	Cities  Warren	Airp	Airp	noth ort	er a porti	rcra h of	Aledo	was pushed by
St. Johns County	29	ed down i 5:15PM	pawo i i	poded ar   	eawı     0	th no	appr 0	ļ	damage. Waterspouts		wine	dows bro	ken ai	nd sev	eral	roo!	rs da	maged	Two residents Ine, Rock Island
,	1 1	EST	ty She	riff's	ł	!	i	!	  waterspouts. Two		Cou	nty, wer n the hi	e trei gh wi	ated a	t a . used	fur:	ltal nitur	for i	njuries received Fall inside
		red a hal ved over					e Bea	¢h. Ti !	e other was		Liv	r mobil	o home	, Whe	n of re t	the nous	stor ands	m's I of ac ed by	ry was felt in res of corn and the deluge of
Monroe County		9:09AM EST		! 	0	0	0	i	Waterspout		rain	h and hi	h wi	nds. R	in los	umou s to	nts o prop	f as i	res of corn and the deluge of high as 8 inches was in Campus,
Palm Beach County	A wat		as obs	erved 5	mile 0	s wes     0	t sou	ļ	of Key West Airport	•	tan	the nami	hit b	the	stro	ng w	inds.	Four	bins were a
Talm beach county	1 1	EST aterspout	s were	report	1	1	<u>}</u>	!	Waterspouts		are	al loss aboard ex	ut 4	miles ve dam	nor	th o	Ode se gr	ll, w	nere 2 farms ins, a corn crib
GEORGIA			!	REPOR	!	   			<u> </u>		and	erops we	re af	fected	. Th	005	, a h	me ar	nd an auto were
HAWAII		6.15-				 		!			were	lost in	Corr	ell.	t ti	e Ta	lbor '	ompar compar	y grain eleva- 4 of 6 grain ng winds. In
Head, Oahu	14 Two	6:15p funnel cl	ouds e	ktended	down	500	feet i	from ci	Funnel clouds mulus clouds		Bure	au Count	ly, tr	ees a	nd po	iin i	TITIE	ile h	me when a tree
M C K-h-l-	orie	nted in 1									hit	it duri	ig the	stor	1 1	ie ai	rea a	1	Dook Telend.
1 mi NW of Kahuku, Cahu	24	3:00p- 3:10p							Waterspout	INDIANA									ureau, southern n Ford Counties
	2,00	O feet and	tops	8,000	feet.	Fun	nel v	sible	loud with base 500 feet down from	Ft. Wayne Allen Co.	14	5:20 P	1				İ		Funnel Cloud
	base	of cloud hwest.	. Oce	an surf	ace c	hurne	ii. Wa	terspo	put moved towards				ce em	loyee	sight	ed a	funne]	cloud	on the north side
										Ft. Wayne	of 1	ft. Wayne. 5:23 P							Funnel cloud
										Allen Co.								L	
											Wear	ther servi thwest of	ce per	sonnel rport	on du novin	ry si g eas	gnted tward.	anothe	r funnel cloud
													İ						1.

· · · · · · · · · · · · · · · · · · ·		. د	I		NO	OF	ESTIM	ATEDT					<b>-</b>		NO.	OF	EST:M.	ATEDT	SEPTEMBER 1978
	1	CAI	PATH	Ē		SONS		AGE				CAI	РАТН	Ē	PER			AGE	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
IOWA Southeast Iowa	Many	8-1130P	unders	torms d	0 levelo	0 ped	6 ver s	buthea	Severe Thunderstorms Hail, Wind st Iowa. These ely), straight line	KANSAS (continued Edwards, Stafford, Pawnee, and Barton Counties		12:30 - 2:00 p					6	0	Wind
	wind blew outb and	s of up to the roofs wildings a	80 MI off m and upr hail,	H, peri etal bu ooted t up to	ildii rees size	f hea gs, d which	vy ra estro fell	in, an ed ma on po	d hail. The winds ny old barns and wer lines, houses dented cars, broke		east stor irri	rapidly t s. Damage ation equ	hrough was t	these	count	ies w	ith nu s, gra	merous in sto	
1 mile S Rhodes to 1 mile S Melbourne (Marshall County) to 3 mile S Grinnell (Poweshiek County)	The east torr	to 1 mile	ormed : e south ed alor	of Mel	hern bour dath	tarsha ne and lestro	11 Co	pnty n   moved  many f  bf hil	Fornado par Rhodes and moved southeast. The arms and a mobile ls. Two people wee	Clay and Dickinson Counties	Thun ligh	ining. A h	ardwar	e store	in C	lay C	enter	was st	lightning loud to ground ruck and destroyed ining 4,000 bales
	kill Rock a bu	ed and and Creek Sta siness are	ther to the teat of the teat o	es seri k, then the inte Four p	iousl hit ersec cople	y inju more tion c were	red. farms f 180 kille	The tand fand Rand Rand While	ornado passed over inally slammed into oute 146 3 miles e in their automo-	Reno County	17 Thund	n was dro	noving	northe:	1 st c	0 Ansed	o stron	i 0 i gggust	Wind y winds. One t was overturned
Oskaloosa Mahaska County	The nort	heast. M	pst of uses.	the da	h the	bccurk	ed to	part o	Tornado f town and moved gofs of many busi- A man was injured	Greenwood County	17 Appai		2 torna	7 10 or d	0 magi				Tornado mage along a re uprocted and
Keomah Mahaska County	Tori	945P ado touch theast. M as. Many	ost of	n in th	e sou mage	pecum	5 sect	ion of	Tornado town and moved of businesses and	Jefferson County	dama, 29 Amai	de was to Afternoon sowing w	ences	, barn, ear Osk	and O	reed 1 a was	bunks. 0 knock	0 ed fro	Lightning m his tractor by re found to be
4 mile W New Sharon Mahaska County KANSAS	Fun	845P el droppe ipated.	d out Funnel	pf the was mo	  -loud  ving 	s, las		 ibout o	Funnel Cloud ne minute and then	KENTUCKY LOUISIANA	mino	, -     	NONE	REPOR	TED				
Douglas County	Thund	Scattere	poving hail	to 1-3,	/4 in	ches ji	in dia	meter	Hail y hail and heavy was reported from e, roof, and crop	Cameron Parish  Vernon Parish	Tor	2:50 PM hado repor 5:45 AM	l	Air Lo	gisti	0  cshe     2	0 licopi 5	0 er pil 4	Tornado ot near Creole Tornado
Mitchell County	dama,	e was rep 8:20 p erstorms	erted,	northe	ast p	rodude	5 ed loc	   ?   Pl hai	Hail  I, heaviest around iameter. Damage was		men awa bar	across LA were inju y. Two mo hs destroy	Hwy 1 red at bile h ed; ca	11 to a Goins omes we rs and	bout Servi ce kn cract	10 m: ce Si ocked ors	les we ation off lamaged	st of when toundat by fa	Toledo Bend Anacoco. Two oof was ripped ions; several lling debris; ed along a
Marion County	13	3:00 p	tree movin	s and w	tilit               	y line	ss. Cr 4 ccompa	iop daz     0  -  nied l	age was minor.  Wind  y strong and gusty	Northwestern Parishes	nar thr	tow path t ough the f	hat sk	ipped a		mped		out fi	
Butler County	Mario 13	n Lake wh	movin	nds of	85 mp 0 touch	n were	s repo 5 m bri	ofly a	s occurred at  Tornado  Leon damaging a		wes 8-1 and	tern DeSot Inches t  surroundi	a and otal r	northwe ainfall	stern , Fl s wit	part oodir h mos	of Sa g occu t of a	bine F rred i amage	
Osage County	13	1 bus bar 6:02 p nderstorm	   	   	     		6	0	Wind rong winds. Damage hardest at the	Northeastern Parishes	The Lou	Morning same syst	east	Texas r	edeve	vy ra loped	ins ea	g the	Excessive rains & flash flooding in northwest night of 0 inches in
	1	1	he cit ile ho avily to tr	y damag me park damaged ses, ut	ing 2 12 Deb	nouser mobile ris w es an			hardest at the station, a store destroyed and 6 st for about 5 almost city-wide.		Mon Par Dam hom	roe result ishes. ges were s and bus	ed in estima inesse	serious ted at s that	f100 625,0 vere	ding 00,00 flood	dn Oua      O in t  ed by	chita he mor water	and Richland e than 3000 that reached
Neosho County	dama Gale	i ig winds o	of 60 m	ph with	la th	under hesse	with	heav:	Wind   southeast caused   est damage around		A n plu suf was	rsing hom s many hom fered heav hed out or	e in W es in y dama damag	est Mon Monroe ge. Si ed. A	roe, had t k bri pilot	the s b be iges of a	tate evacuand no police	olice ited. merous e heli	achita Parish. headquarters, A TV station roads were copter was from a flooded
Butler County	Wind Seat	with a th	and u	tility y and a	ring line h air	northe damage craft	5 sast w was was d	0 ks mes report kmaged	Wind sured at 70 mph. led in the north at the Redwing	MAINE	are Abo	å. !	l es in Rayvil	Richlan	d and	Madi	son Pa	ı	, including towns
Geary County	Thun	6:00 p erstorms s up to 3 ficant da	/4 inc	h in di	amete	r just	0 ed loc t west	of Ju	Hail  I with some hail- notion City. No	MARYLAND & North Central	12 Ser:	8:00 p- 10:00 p les of hea	]    y thu:	        dersto	o ms m	    pved_	thru t	he are	Lightning, Rain in advance of a homes had power
Marion County	16 Thund	3:30 p erstorms	noving	       southe	i l ast w	ere s	3 ecompa on. Da	   0    nied h    mage h	Wind y gusty winds as to trees and		In apparate	ges during indirectimore were the purious distribution of the purious designs of the puriou	the street treet to the treet treet to the treet to the treet to the treet to the treet to the treet to the treet to the treet treet to the treet tree	torm, a lated in led for in pipe re men	nd s cide mild line were	ome c ht, f chlo due work	inor four worder to los	Loodin rkers as inh s of p relie	g was also reported of pigment plant in alation. Gas had ower, and then we pressure in the
Sedgwick County	17 Seven	2:00 a le lightni ers loade	# with	firewo	rks t	o expl	Lode.	A Civi	Lightning hita caused six J Defense worker were damaged by	Madonna (nr), Herford County	12 Lig	10:00 p	sed fi	re did :	0 heavy	O dama	3 ge to	0 bne si	Lightning: \$800. Lightning de of unoccupied a \$3,000.
		ning caus					   		 	Eastern Shore	Ver	Early Morning thick fo e for sev				f the	area	0 and wa	Fog s partially respon-

SEPTEMBER 1978 ESTIMATED<sup>†</sup> DAMAGE ESTIMATED<sup>†</sup> DAMAGE NO. OF PERSONS NO. OF TIME - LOCAL STANDARD TIME - LOCAL STANDARD WIDTH OF PATI TH OF PAT CHARACTER CHARACTER LENGTH OF I LENGTH OF (MILES) PLACE OF STORM PLACE PROPERTY PROPERTY STORM NJURED KILLED NJURED KILLED CROPS CROPS MASSACHUSETTS MINNESOTA (continued) 0 5 Wind :0 0 All day 0 0 5 0 Heavy rain Rochester, Olmsted County Heavy rainfall of 5 98 inches resulted in some flooding of roads, and forced some small creeks out of their banks. Zumbro River crested at 13 1 feet at 4M on the 18th. Many streets flooded due plugged somm spacers with traffic backed up for blocks. Some power outages reported. Strong northerly winds gusting to \$0 km caused the sinking of numerous pleasure and commercial boats: \$0 knots Whitman 11 After-1 16 0 0 | Lightning 12 | 11:30A oio 5 Alexandria. 0 | Lightning Douglas C o. A holt of lightning struct a field where football practise was being held. As the storm approached the team and coaches ran fon shelter, but while running a young coach was hit in the head by lightning and killed. Sixteen other players were stunned and some wore knocked to the ground. Lightning struck a casoline storage tank with 210,000 gallons of gasdline. Nearby opmunity fire rigs and volunteer help control the fire. Three injets of tain in the storage help firemen as did a brisk west wind help keep flames away from a storage tank nearby. 0 0 4 5 Hail 13 1:00AM NE Kittson County Hail the size of golfballs|hit scattered areas of northeast Kittson County. Windows in homes and carry broken and much damage to boofs and siding. Crop damage will be extensive but difficult to distinate at this time. MICHIGAN -11 Entire 0 An area East and 0 0 С South of Adrian, Brinton, Bay City and Forestville Period

Below normal rains of July and August continued linto mid-Septem cauding extensive damage to many field crops. Jorn, Soybeans, Dry Beans, Sugar Bests and Hay frops were hardest hit. Some specialized crops sech as commandes and soof farms also suffered Sherburne County 10:00AM 0 0 4 4 Strong Winds, A brief wind and hall stome cut a path five miles long and one and a half mile wide between Elk Lake and Zimmerman. Winds of 65 mph or more along with fail of 3/4 linch in didmeter. Trees and power line poles down on homes and cats. Windshield wipper blades ripped from squad car as storm struck. Crop damage unknown at this time. 16 [10:29] 10 1:00 PM 0 2 Li Struck two men while they were golfing in the rain. New Baltimore, St. Clair St. Cloud, E. Stearns County 2½ SSW Battle Creek, 10 Afternoon 0 2 Lightning Winds of 59 mph or more collapsell a hangar bn 17 aircraft...Five had heavy damete, 4 thoderate dambge and 8 feesived light damage. Trees blown down and Radio Station KIID off the air for short time. Pea size hail bovered the ground for a time during the storm. Thusual fact was wind in south part of town was from the North while wind at Airport was from the South. Two men struck while positioning a sail boat under an electric hoist on Goguac Lake. Both men were knocked into the water will one suffering temporary numbers in both legs. Calhoun 0 0 4 An area south of Iron Thunderstorms Early Morning several storms moved through the area downing trees and power lines. A tree damaged a car in Menominee and a kreiler in Kingsford. Also in Kingsford, a warkhouse lost a 90x30 foot section of toof. Scattered power and telephone outages occurred throughout the area. MUNICIPAL Funnel cloud 7:40PM MISSISSIPPI 5 C 13 | 1:00 p. 2 0 1 0 0 Houghton and Extreme northern Baraga coun Flash Flood 11 1-8 AM 0 0 0 5 C Flash Flood Several thunderstorms developed over the gree and remained about stationary throughout the period, resulting in 3 to 5 inch rains. Extensive damage was done to culverts, small bridges, roads, and one railroad bed. Some first floor and basement flooding occurred in downtown Huyshton and L/Anse. Numberous cars were reported floating in a college parking 1bt in Hancock. U.S. Highway 41 and Michigan Highway 26 had to be closed after high water began stalling out car engines Houghton, Hancock, dnd Rabbit Bay areas hardest hit. Two persons were drowned in Whites Lake he miles borth of Boo when their boat capsized during a thunderstorm. Other fish boats on the Hake made it to shore before the storm struck. ties. MISSOURI Odessa, Clay County An 18-year-old man was killed when struck by three bolts of light-ning as he worked at a construction site on Routs F where his company was preparing for highway construction. 9 pm ? ? ? 0 0 4 0 Lightning thing struck a cattle barn owned by Matthew Johnston on U. S. 500 bales of hay and straw and 12 of the 14 Holstein calves the barn were lost. The loss was estimated at \$5000 just for contents of the barn. 11 7:30 PM Sighted nume 2 West Frankfort. Jackson County Lake Michigar merous times by 0 0 5 An area south of Mus kegon & Detroit. Lightning Mumerous bolts struck throughout the area shattering tree limbs, knocking out line fases, and setting fire to homes in Grand Rapids, and luubardston and a barn in Graege. A dable TV tower was hit in South Haven destroying a TV set and knocking the station off the air! Three homes in Monroe also suffered minor fire damage after a bolt struck a nearby utility pole Severe thunderstorms in northwest Missouri produced torrential rains, large hail, and damaging winds. Hadi about an inch in diameter peited the News-Pees building in St. Joseph about 6 pm, while even larger hail was reported in the north part of St. Joseph aspect and in the Agency are southeast of St. Joseph. Wind demolished a large barn on the Virgil Babcock farm northeast of Faucett. Lightning struck the Babcock' other barn, but fire Department volunteers' quick attion minimized the damage to the building. Worst hit was the town of Govern. There, a large tree crashed through the northwest corner of the Witt house and landed on a bed. The house suffered extensive damage. A relatively new metal building at the Gower Lumber Company was destroyed, and the roof was torn off the office of the Gower Sain Club. Many trees were uproted and limbs torn off, inturn downing power lines and damaging cars. Many roofs were desaged by wind and hail, and there was much other general property damage. The rain, although badly needed for the soybean crop, came so fast that it caused many fields to be badly washed, and most low-lying river bottom crops 5:30 pm ? ? Buchanan and Clinton 0 0 Severe Thundersto Counties 3-5 AM | 0 | Kalamazoo, St. Joseph 17 17 3-5 AM | 0 0 5 | Lightning Lightning set fires heavily damaged a home in Kalamazoo and did 45,000 damage to a parn and two siloes in Centreville. ٥ counties Evening & Early (Morning Berrien, Grand Tra-verse counties Heavy Rains Raid water collecting on fast noof durfaces caused a warehouse roof in Traverse City and a business building roof in Benton Harbor to collapse. Both structures were heavily damaged along with their contents. 20 4:00 PM Sighted by a Deputy Sheriff. assar, Tuscola covered with water. Schuyler County 0 n 20 5:00 PM 5 SW Sandusky, Funnel Cloud rs were out and crops badly wash 5 inches of rain that evening. Signted by the Deputy Sherrff of Samilac County was moving northeast at approximately 40 PH. 17 12 am ? ? 0 0 3 0 Flash Flood
Heavy thunders torms dumped almost five inches of rain in Buchanan
County, forcing several families to flee from their homes in high
water from Dillon Creek. One home belonging to the Sisk family
surflered heavy damage when linoleum floors buckled, rushing waters
washed the front porch 10 feet to the left of the front door, both
of their cars and motorcycle were submerged, and the inside of the
TV set on the coffee table was left with a coat of mud after the
waters receded. MINNESOTA Amazonia, Andrew County 2S Milaca, Mille Lacs County 5 2:40A 0 0 4 0 Lightning Barm and contents completely destroyed by fire from lightning stri 11 9:00A 0 0 Wind New London. Kandiyohi County Winds in excess of 70 mph ripped part of roof and caved in a wall of mph ile home. A second mobile home moved off foundation. Janesvi 11e n!ni 0 Wind 8+00A Winds exceeding 70 mph associated with thunderstorm caused con-siderable damage north and least of town. Wall blown out of cement block shed. Mobile home destroyed. Two barns heavily damaged.

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NEBRASKA								į.		Pawnee County	13	4:20 PM -4:35 PM	6	10	0	۱	3	1	Tornado
Lincoln County	1	1:00 AM			0	0	3	0 	Lightning		!			r 41d	أا		42	1100	
	Fir	e started	by 11	ghtnin	g de	troy	ed sc	1001			nort	rnado obs h of Pawn	ee Çil	ty toud	hed t	down	at in	terva	s
	roo	es of a c	nurcn	at Sut	i			ļ			as i	t moved t ged trees	o the	Table	Rock a bu	are ildii	wher	e it	
Hall, Merrick, Hamilton, Clay,	1	6:05 PM -8:30 PM			0	0	5	7	Damaging Winds and Hail				,,			0	3	4	Damaging Winds
and Fillmore		l								Richardson County		5:30 PM		.	i i			i	
Counties	Str	ong winds thunderst	prms (	ail to caused	dama	nche je ir	s in a th	¢lame ‡ee to	er		Stro	ng winds down tre	in a	thunder	stort	m fla	ttene	d com	·,
	six	mile swa area nort	th fro	n Gran	d Is	land	south	east 1	o		a mu	mber of 1	armst	eads 9	mile	s noi	th of	Fall:	•
	cro	os were h	bavi1	damaq	ed.	Wind	ows w	ere			City	•			İ				
	sus	ken on ca tained da	rs and	i homes Some	, an	outh	fs an uildi	d sid: .ngs	i i	Pawnee County	17	Afternoor		i	٥	1	0	0	Lightning
	Mei	e blown d	own at	nd a mu	mber	of 1	ivest	ock			A fa	rmer was	struc	k by 1	ghtn	ing ı	ear E	urcha	d.
		!	ļ :					۱ ـ		Gage County	17	  Afternoon	1		0	0	0	3	Lightning
Burt County	1	7:10 PM			0	0	3	į ∘ I	Lightning 			tning set		* 1	2700	   e+a	L of	hav	
	Fir	e started	by 1	ightnin	g he	avily	dama	bed t of				Adams.	1116		ax 9c				
		amah.	1001	1 2 110	,		"			Jefferson County	20	Early			0	0	5	0	  Lightning
Burt County	1	7:20 PM			٥	0	0		Funnel Cloud			Morning		l					
		i i			ł	i		l			Fire	started	by li	 phtning	COM	plet	ly de	stroy	đ
		unnel clo	pod Was	signt 	ea 4	   mrre	is sou	i i			a ho	me near R	eynol	ds.					
Lancaster and		1:00 AM			l l o	0	5	j   6	Hail	Kimball County	25	Morning	į	İ	0	0	3	0	Damaging Winds
Cass Counties	•	2:30 AM		İ		-					High	winds bl	lew ov	er a se	mi t	ruck	south	of K	imball.
	Hai	lup to 1	and :	/4 inc	hes	n di	j amete	rin	İ	NEV <u>A</u> DA	l .	ļ	ļ	į	į	į	l .	į	į
		ere thund	areta	me and	an e	bu wi	inde c	an sed		Las Vegas	4	1	į	i	İ	İ	4		Thunderstorm
	Sou	th Bend.	Corn	and mi	lo c	rops	were	heavi	y			Local f	loodir	g1it1	ijîe da	таде	}	İ	
	bro	ken and b	omes.	<b>s</b> ustair	t be	þof,	windo	w and	!	NEW HAMPSHI	RE	İ	NONE	REPOR	TED	į	!		
	sid	ling damag 6 inches	e. T	he hail	l dri 	fted	to a	depth	ļ			İ	! 		ļ		İ	ļ	
Johnson County	2	2:40 AM		1	i i o	0	3	0	   Lightning	NEW JERSEY Pennsauken and	12	j pma	<b>!</b> !	 	0	0		0	     Heavy downpour
·			i	i	į	į ¦	! 	!		Camden				1	ľ	*	į		and flooding.
		tning set ecumseh c						the .			A b	rief but h	leavy o	ownpou	hit	caus	ing fl	oding	and rain-slicked
Frontier, Gosper,	11	j   3:00 PM			١,	0	4	6	Damaging Winds	NEW MENTOO	100	µmays. In	ire wei	e seve	i I	Juri	es out	not a	ue to flooding.
Custer and Dawson Counties		-4:30 PM			* 	"	_	-	and Hail	NEW MEXICO Southeast New Mexico -	21-	Continuou	} 6	}	0	0	5	?	l  Heavy Rain,
	Wind	ls to 70 m	p.h.	and ha	 ¢ilu	pward	s to	l½ in	! thes	Mainly Eddy and Lea Counties	26	1		ĺ	İ	İ		İ	Flooding
	in t	hundersto uprooted	rns da trees	maged in an	krop brea	s and	buil Eust	dings is			Rain	began mor	ning o	t the 2	lst a	nd c	ontinu	d wir	hardly a break
	thro	ugh Cozad	, Lex	ngton	to M	ason	City.	The	<u></u>		wind	µgh dayl1g # through	the po	rs of t	the 26 Lth up	th. per	Conti	auous oa mo	easterly surface with bringing atmo in ranged from 78
			İ	į ·	ļ .	! }	1	} `	1		pher 8 in	ic moistur thes Carls	e from	Mexico ea to l	. St	orm hes	totals kt Car	of ra	n ranged from 7 a averns and 17 inch
Frontier and Dawson Counties	11	3:10 PM -3:45 PM		20	١°	0	4	3	Tornado		at M	¢K1ttr1ck	Canyor	. Arro	yos f	lood	ed ove	r high	way crossings at
	A +0	knado tou	1	l L	int			<u> </u>	100		on t	he 25th an	d 26th	l coads	CTORE	a an	i men	ds ito	ded. Heaviest ra
	sout	heast of	Busti:	to 7	mile	s nor	theas	t of	İ	NEW YORK		ļ	NONE	i REPOR	I . [		ļ	1	
		d. Path me was he							!	COASTAL		}		i	ļį		! !	į	
	Coza	d. Trees ged, and	were	luproot	ed, 1	htili	ty li	hes	1	NEW YORK		<u> </u>			i i		! !	į	
		a few fa					,		1	NEW YORK		 			į į		! !	ļ	
Sherman, Howard,	11	4:30 FM		i	٥	3	6	6	Damaging Winds	AREAWIDE	11	1P-9P			0	3	5	°c	THUNDERSTORMS
Buffalo, Hall, Phelps and Kearney		-6:45 PM		į	ĺ	İ	1	į	and Hail		THR	E PERSONS	WERE	INJURED	WHEN	STRI	ск вч	LIGHT	ING IN THE
Counties	Seve	nty to ei	ghty 1	p.h.	wind	and	hail	1 to	į		REP	RTED WHIC	A (JEF H INCL	FERSON UDED BO	COUNT MES.	Y.) BARNS	NUMERO	US LIC	HTNING FIRES WERE
	and	ches in d	damage	. Bui	ldin	իs su	stain	ped .	į		NUM	ROUS DOWN	ED TRE	ES AND	OWER	LINES	CAUSI	D WIDE	ES, BRUSH, ETC. SPREAD POWER OCALLY THROUGHOUT
	roof	window ed and ha	land si	lding d	amag	and	auto	s wer	rlv			AREA.	vi KAI	ุกผพบิS 	LEONG	MTM	ra uccil	CEED I	CONLLI THROUGHOUT
	hard	hit was	the Ke	arney	area	wher	e a p	refab	Γ-,	NEW YORK		į							
	home	ol was de roof was	torn	off an	d nu	erou	s tre	es	 	WESTERN	,,,	   m -s \s'		l Y		,			liebtoise b
	and	atility l red at Ke	ines	own.	Iwo :	per so	ins we	re re	 <del> </del>	AREAWIDE		PM of 101 to AM 12th				2	5 	1	Lightning, heavy rain, strong win
	and	a person	was in	jured	at ti	he cd	illege	when			A sr	ries of i	ptense	thunder	  store	i hs pa	ssed a	tross	l I
	heav	wind blew damage	was th	le area	aro	ind A	shton	and	1		much	of Wester	n NY I	etween	the (	þfter	ם הספול	f the	  -
		City whe				ell	and a	numb	<del>华</del>		นกษฐ	and the dual charac	teris	ic of	he s	torms	was t	he :	
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Kearney County		5:30 P	l .			0			Lightning		1st	degree bui	ns an	was ki	hocke	d dow	n by a	light	ning
i a	igh:	uning set n northea	fire st of	which i	arti	h11y	dest	toyed			noor	ke as she of the 1	ith.	Barre	iman i	µas k	nocked	uncar	scious
Adams and Hall		8:25 PM	i	 	0	0	ì	. 3	)		by a	lightnin very earl	stri	ke as hi	mad	еар	hone c	pll du	ring
Counties	Thre	!  -  se quarter	inch	  hail †	l ell	arou	nd Ker	de saw	] 		i∩ju	ries resu	lted.	Some s	trong	wind	s comt	dined m	ith
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	13	1:30 PM	1	;	0	0 1		1 -	Hail	1 !	Fave	ttaville .				gpm -	i dreid	ane	!
Douglas County		į		h	i i			]	Hall		Faye	tteville : ding prob				some	drain 	age	
Douglas County	One	1:30 PM    and a hal  khorn ca			fell	bri	efly s	1	Hall    -		Faye					some	drain   	age   	

Hew Hanover County 1st Funnof W 1oth A Work Campson County 1oth A Work Campson County 1st Marb Marb Marb Marb Marb Morth DAKOTA Bismarck (Burleigh County) 10	7:00PM el cloud s rightsvill Afterncon main Tur through received s 3:15PM le sized in 4:37PM	ighted e Beac - key wa	s struc	o south	of M	0	L Crops	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
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ew Hanover County  aldwell County  NORTH DAKOTA Bismarck (Burleigh County)  Punn A wor came She p 14th Marth Fild of Fi  NORTH DAKOTA  Bismarck (Burleigh County)	el cloud s rightsvill Afternoon man in Tur through received s 3:15PM   le sized s	e Beac - key wa	s struc	a sonbo				Waterspout let.	OHIO Cuyahoga County	12	Aftn			0	3	3	0	Lightning
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ew Hanover County 14th Markl aldwell County 22nd Pilci of H  NORTH DAKOTA Bismarck 10 (Burleigh County)	3:15PM le sized b 4:37PM	_	burns	k by 1 and hi	lightı	0 ning r in	0 when a the ba	Lightning bolt ck.	Northwest	star 12	ted sever	l mino	r fires	0	0	<b>4</b> 0	С	Dry Spell
Pild of Hi NORTH DAKOTA Bismarck 10 (Burleigh County)		ail fe	-		- 1	0   part	0   of Will	Hail mington.	Perry Township	Unus soyb	ually dry ean, melor 5:30 pm	weathe , and 5	r for t sweetco	he le rn cr	st f ops 2	bur we in nor 4 <sup>0</sup>	thwest	avily damaged Ohio. Tornado
Bismarck (Burleigh County)	t reported	a fun				O mil	0 es nor	Funnel Cloud thwest	Pike County	A to	rnado toud	hed do	wn in a	rura and	ll ar	ea dam es of	aging tobacc	farm buildings b. Two people
L19#	3:50 a CST htning set	a gan	age on	1	0	3	0	Lightning	Buckeye Lake Area Fairfield, Perry, and Licking Counties	14	7:00 pm	4	100	0	0	5	0	ged. Tornado ne Buckeye Lake
l i	10 am   to 1 pm   CST	   		-	0 ·	3		Lightning		area the	. The sto	rm fil	st toud lerspor	hed c	lown osse	on the	south	ern shore of nd dissipated
	htning kil a house o 4:07 p			İ	cattile 0	e; se 4		rn on fire and Wind, Heavy Rain	OKLAHOMA Near Wilburton, Latimer County	3 Thre	4:45 p	injur	ed at R	0 obbet	s Car	0 ve Sta	0 e Pari	Lightwing
(Grand Forks County) Win	CST			i wn pby	<sub>ver</sub> h	ines	i	ew trees. Heavy		was feet	hospitaliz and the	ed for	burns experie	on hi	s ba walk	ck, and ing di	ther I	der. Ome person and burns on his ies. A woman suse of a hearin
Richardton   11	4:30 p CST ds of 60 m	ph. N	o dama g	- {	0   ortepd		0	Wind	Near Lawton, Comanche County	10#8 5	5:00 p	1/2	20	0	0	0	0	Tornado
reck	4:35 p CST nado touch orded duri nado.	ed dow	n brief stormi	ly in	open damag	coun e rep	0 try. orted	Tornado, Wind Winds of 75 mph from winds or	•	Mili diss Obse	tery Reser ipating. W	vation hile of the 1	. It wa n the g ong, th	s on round in, t	the the	torna	for al	on the Pert Sill bout a minute beind toward the non esembled a large
5NE Carson 11 (Grant County) High	4:45 p CST h winds de	stroy	d two p		O rns pa	4 nd da		Wind many buildings.	Edmond, Oklahoma County	Ligh	   12:25 a       tning stru   bd the str			0 Edmon	0 nalcan	i	0 fire	Lightning that completely
7N Hebron 11   National 11   N	5:00 p CST ds of 75 m	iph de¶n	olisheb	sev <b>j</b> e:	ral b	5 arns	i	Wind d power lines, and	Near Weatherford, Custer County	18	8:00 p			0		4	0 bour	Wind demolished a
Bismarck 11   (Burleigh County)	5:00 p CST ds of 58	nph. N	lo wind	0 damag	0 e rep	4 orted	Lig	Wind, Heavy Rain, Lightning htning strikes y rains flooded	OREGON	mobi	le home ju	st wes	t of We	ether to b	ford	Two	erson	inside were
Mapleton 11 (Cass County)	CST	lerpasis I I	es. j	0	0	0	İ	Wind	PACIFIC Between Gagan and Gellinam Islands, Kwajalein Atoli	14	3:10p						į	Waterspout
ullerton, Edgeley, isbon (Dickey, LaMoure and	Afternoon	ipn. i   	10 dallay	0	- 1	5		Heavy rains, Wind, Lightning	PENNSYLVANI EASTERN Franklin, Montgom-		4 PM	İ				_		
Hed fie rai	lde ware N	lamaged I. A h	in Rah	ISOM L	nuntv	bv a	COMDI	. Some sunflower nation of heavy on fire by a	ery and Bucks Counties		to 11PM EDT tning ca		power	outa	ges	to or	i	Wind, Electrica
ortheast Towner, avalier and Pembina	Evening			0	0	0	4	Wind and Rain		kill stro tree	led a dog yed 10 t s in Hor	in M ownho	ontgon uses u Townsh	ery nder	Cou cor Mon	nty. nstruc gomen	High tion y Cot	000 customers n County and wind gusts de and uprooted inty.
st	ong windsj I	er fiel	  ds werp   	dama	ļ	yaq   		tion of rain and	Luzerne, Carbon, Lehigh, Berks, Montgomery and		7PM to 11 PM			0	0	4		Heavy Rain Electrical
(Williams County) Wind	1:34 a   CST is of 54 mg	h top	oled nu	ierous	-	!		Wind	Berks Counties		EDT derstorm in Lehig	down	pours rks, B	caus ucks	ed t	rides; l Mont	read gomen	roadway flood y Counties wi
(Williams County)     High	Early morning winds bli eum roof sp	ew the mashed	roof qf a hole	ff the	i city	muse school	um. I	Debris from the ding.		caus long in	ed power as 6 ho uakertow	outa urs.	ges to Light	ove ning	r 5 al	cown ( 000 d o dad	Ligustor ustor aged	roadway flood y Counties wi htning strike ers, some as two buildings
(Stark County)	3:30 p CST 7:00 p	; ;	į Į	0	0	0	ĺ	Funnel Hail						1				
(Barnes County)	CST F ball siz	e hail	. No q	-	1	- !					i			1				

			Γ		_		г -		1				,						SEPTEMBER 1978
		OCAL	PATH	Ħ_		OF SONS		ATED*				CAL	PATH	Ħ		OF SONS		ATED†	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
PENNSYLVANIA	(co	ntinued)								TENNESSEE				. !			<u> </u>		L
WESTERN Garrison (Greene Co.)	3	Eve	ļ	}	0	   0	?	   0	Thunderstorm Wind	Defeated, Smith County	10				_			4	High wind and heil
	A ba	rn severa winds, a	hund:	ed yard	s fr	om th	e vill happed	age wa	s destroyed by		1 1		r line	s down.	Laı	ge h	ail de:		the tobacco crop.  High wind and hail
Meadville		Late Aft	į.		0	4	4	i	Thunderstorm Wind	Greenback, Loudon County	10		to	the ere		10	and t		crops. Barns were
	Four	persons	ere i	iured	at Oa	k Gro	ve Par	i	Lightning lightning struck			ofed and t						l	crops. Darie were
	a tr	ee and tr e the vic	velle	throu	h th	e gro ere k	und to nocked	a nes	rby picnic shelter e ground, and	Smithville, Dekalb County	10	1:30 p.		<u>'</u>			!	4	High wind and hail
	stru	ck by lig	tning	Exte	<b>psive</b>	dama	ge to	plectr	he area were also ical lines was			, some the	size	of golf	bal	ls, d	amaged	1 !	
	for	about an 1	jour.	High w	inds	liowne	d a nu	laber c	cked off the air f trees. Heavy	Byrdstown, Smyrna Community, Plain Grove	10	•					ļ	4	High wind and hail
Uniontown		s tempora Late Aftn	!	Locaea :	some I I	roadw     0	ays.	[	hail was reported. Rain	and Ether Community, Pickett County	crop		hall	damage	the	1008	t corn	, late	apple and tobacco
UILUITSOWII	Near	ly three	and on	e half :	 ‡nche	l βof	rain f	ell du	ring a five hour	Morristown,	10	1:55 p.						4	High wind and hail
	Unio	ntown).	Severa	l Union	town	btree	ts war	I (5 m e floc	iles south <b>eest</b> of ded and numerous	Hamblen County	Nume	rous acres	of ti	e local	cro	ps we	te des	troyed	by the large hail.
Portersville		along th	ose ro i	btes we:   	!					TEXAS NORTHERN							!	i I	
rortersviiie			pck a i	house o	n One	0 Lda V	0 alley		Lightning musing minor	Eastland County	4	2:15 p		, '	0	0	?	?	Hailstorm
	dama		[			<u> </u>					A se Coun	vere thund	erstor	m devel	  oped  obser	l lover tved	north	  and co  anera	entral Eastland Live observer at
Boalsburg	18 Ligh	4:30am tning str	l l lick a i	! barn fi	l O te mi	l O Les e	est of		Lightning Starting a fire		East	land.	   		   		, !	j   	ive observer at
	whic	h destroy	ed the	struct	bre a	hd fa	rm equ	ipment	within.	Parker and Tarrant Counties	4	3:00 p - 6:00 p			0	0	5	?	Windstorm
Highland Township (Elk Co.)	18 Thur	6:15pm	llerroo	   	0	l O	.?	1	Thunderstorm nes. One mobile		A se	vere thund	  erstor	m devel	oped	in E	llis C	unty:	and moved into
	home	was dama	ged.	The sto	rm ma	y hav	e beer	a sma	11 tormado since		hous	ps in Bent	rook a	nd RACE	Sst	h wi rm s	hds da potter	repo	the roofs of two ted 70 mph winds
Johnsonburg	18	Night	l I	i along	j	0	?		] Rain	Dallas County	1	ledowith    4:15 p -	very !	eavy ra	i i			     ?	INC. 1
6	Over	_	es of	  rain wa	1	-	, ,		d alleys and	Darras County	1	6:30 p			0	0	6	! !	Windstorm
Butler Township	21	Eve	l 	į	0		?	0	Lightning										ounty. Around wn several signs
Butler Co.	Light	ning str	ck a g	as shed	l hous	l Jing 1	egula	ors a	d valves, sending		in W	est Dallas	near	Irving.	Bui	ldin	dama dama	e als	occurred west of ar 100 mph tore
	fami	lies from	the t	pro the owns of	Meri	rii  dian	and Ly	ndora I	evacuated 1000 due to gas line		off line	the roof of were blo	faca wn dou	rport a π in bo	nd bl	ew d	opwn tw Opillas	o 25-fi and Oa	ot trees. Power Cliff. One-half
Conneautville		Eve			0	0	4	0	  Lightning		was	also repor	ted at	the Mo	rton	Food	ls Plan	on D	squite. Damage Inton Drive and
	A baı Farm	n was des machinery	royed	by fir	e aft	er it	was :	truck	by lightning.		from	the winds	torm v	as conc	entra	ted	in an	area b	llas. Most damage unded by Westmore-
PUERTO RICO		i i	-				ĺ		 		Stem	nons Free	ne wes ay on	t, моск  the eas	t and	uro a Ithe	nd Lem Dallas	non on Fort	the north, orth Turnpike on
Vieques Sound	9	6:00 p.	ļ		0	0	0	0	Waterspout	Heath,	4	4:30 p	İ		i ! o		4	?	    Windstorm
Vieques Sound	17	11:15 a. 		!	0	0	0	0	Waterspout	Rockwall County	A po		he sev	ere thu	ŀ		1		}
Vieques Sound	Ì	1:15 p.			º	0	0	0	Waterspout		Park	located	in Hea	μtn, ble	₩ do:	yn a	mence,	blew .	unty extended over nds in Candlelight way metal and
Vieques Sound	23	2:30 p.	ļ	į Į	0	0 	0	0	Waterspout 		dwel	lings.	house	is and d	lamag∈ 	ad ch	ilmineys 	and r	ofs of several
RHODE ISLANI	<u> </u>		NONE	REPOR	RTED		İ		ļ	Johnson County	4	5:15 p		ļ	0	0	?	?	Funnel Aloft Lightning Strike
SOUTH CAROL	l INA	Í !	NONE	REPOR	i RTED	į		ļ	i		The	  thunderst	rm in	Tarrant	and	Dall	ļ ļas Cou	nties	hoved into Johnson
	1	 	!	1	!			!			Ligh	tning set	off a	small s	grass	fire	een Gr near	anbury Clebur	and Cleburne. e with no signifi-
SOUTH DAKOT Edmunds, Southeast Mc		4 PM CDT	I		0	0	0	4	   Hail	Wichita and Eastern	5	7:45 p	porte	<b>1</b> ∙ 	0	0	5	     ?	Windstorm
Pherson and northern Brown Counties							! !		-	half Wilbarger County	1		dstorm	  straigh	į .	1	1	1	hangar and five
		stones ne No inj					fel1	n the	east central por-		aric	raft at Wi	ucnita	warrey	Allpo	OFT.	locate	appr	ximately 8 miles
Cook, Southern Lake,	ı	712 PM	uries i	Here re	0	0	3	0	i     High Wind	Nacogdoches,	1	1:00 р	!	i	i	i	1	7	Tornado
Northwestern Minnehaha and Moody Counties		CDT		ļ	"	1			njign wind 	Nacogdoches County	A to	mado tou	ned do	wn 2 mi	les v	est	of Loo	224	n Highway 7 in
•	Seve	  ral sever	e thun	erston	i πis ca	sed	l high w	i rinds c	i of 65-70 MPH. Minor	Shelby County and	[	gdoches an 2:00 a -	pe dama I	∤geotas I	amali 1 0	buil     0	1	!	
	prop	erty dama	ge rep !	rted.	-					Pano1a		10:00 a	İ	İ	ļ	ļ	6	ļ	Flash Flooding Lightning Strike
Codington County	11	735 PM CDT			0	0 	3	0	High Wind		Up t Cent	o 16 inche er, water	s of 1	ain fel five fe	l in et de	part en f	s of S	nelby	ounty. In
	Seve	ral sever s of seve	thun	erston	ns ca	used	vind g	usts t	o near 65 MPH.		Cent	psive dama er City Se	ge in wer Pl	the Pin ant cau	e Ter	race ch1	Addit  drine	on. I	ounty. In of the city with igh water at the float and then r homes. During the closed for a nor damage at the ge on FM Road 319 damaged. Water and Border. Up to
Perkins County		S OT SEVE     8 PM CDT	i	ns wen	e cam i i O	ageo. O	4	0	     High Wind		the	pre forcin	g near	py resi urs all	dents   road	to s in	dvacua do Cen	te the	r homes. During e closed for a
	1	ļ	i	!    ¶PH b1e⊨	i	i	1	i	nigh wind    Boverturned several		Wn11 Cent	er Christi	ne hig Jan Chu	n water rch. 0	l. Li	ightn dhe C	unty,	psed m a bri	nor damage at the ge on FM Road 319
	mobi	e homes.	1	i i							was 8 in	camaged ar 3 feet dec ches of ra	pat l	wridges lighway	84 at	the	Texas	were  Louis	damaged. Water ana Border. Up to
		<u> </u>						!		San Augustine and	14	2:00 am	161	. 111 SO	utne:	en Par I I o	101a C	,	Flash Flooding
		į į					į		į	Nacogdoches Counties		10:00 am		 			İ		-
			į	İ				İ			maco	guoches Co	unties	ı. High	wav u	B 59	was c	losed :	Augustine and t Garrison where
		   									mear	ly 12 inch	pes tel	II. The	roac	sur	facino.	ion Te	as Highway 147 ugustine County ghway 7, 21, and
•	l	į		1	į	į	į		į .		103.	ling cause Some car	d the s were	closing swept	of t	lS 96 he r	and To	exas H	ghway 7, 21, and

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SEPTEMBER 1978 NO. OF PERSONS ESTIMATED! DAMAGE ESTIMATED! TIME - LOCAL STANDARD TIME - LOCAL STANDARD WIDTH OF PAT (YARDS) WIDTH OF PAT CHARACTER CHARACTER LENGTH OF F LENGTH OF F PLACE PLACE PROPERTY PROPERTY NJURED STORM INJURED STORM KILLED KILLED CROPS DATE CROPS TEXAS (continued) TEXAS (continued) SOUTHERN Bay City, Matagorda San Antonio, Bexar 13 | 3:30 am 40 \*20 1 1 2 6 0 Heavy rain Heavy thundenstorms developed in Mexico jest southwest of the Rio Grahde during evening hours of the 12th. Soon after midnight the storms began moving across the Rio Crande hear Agie Pass and continued to build las they progressed toward the east-northeast. The series of storms slowed in movement as they approached Bexar County, and as a result very heavy rain was dumped along a path across northwest Bexar County and the northside of the city of San Antonio. Rainfall todals were heavy but not extreme with up to 6 inches occurring in the Hollywood Park suburb. However, most rain fell on altready wet ground in less than a three hour spah causing large sudden rises on treeks and streets in the north part of the qity. Mater rosel into pone 20 homes eachtered over the northside las a result of various streets and drainage ditthes overflowing. Most significant, however was flooding within occurred along olmos Creek from meak Lee High School downstran to below Dresden Drive. Three old homes received major flood damage about 15 to 25 newr tomes received moderate flood damage, and an estimated 5 to 100 other homes had at least minor damage. Some 40 to 60 automobiles were thereity 75 to 100 vehicles received some water damage including one city bits which was swept into a swollen creek. The one flatality was a 61 year old man whose car became submerged at an intersection. A 25 year old woman and one other person received minor injuries after being swept away from their stalled ears by the swift water. Plood waters were stained by Onco ban with only minor overflow occurring in downtown areas. -10:30 am Four funnel clouds aloft were observed in the Bay City area. I funnels and associated heavy thunderstorms moved north and did not cause damage. Vidor, Orange Co. Funnel cloud Texas Department of Publid Safety trooper reported the funnel cloud over Highway | 12 just east of the Vikor city limits. Its associated wind circulation apparently never touched ground as it moved southward lower wooded swall lands before dissipating. Gregory, San Patricio 12:15 pm Funnel cloud The funnel remained aloft as it moved northwestward passing just north of Gregory. 10:00 pm City-wide 4 0 Heavy rain 10-11 Baytown, Harris Co. A thunderstorm became stationary over Baytown and dumped heavy rain which produced considerable street flooding. Besides flooding a number of automobiles, water entered and damaged a few homes in the Errownwood supdivision and caused some flood damage to a cafeteria. The flooding resulted from ponding of water in low areas. Sabine Lake 11 6:45 am ? 0 0 0 0 Waterspout The waterspott formed and dissipated over the northern end of the lake. Although it came near store, it did no damage to boats or other property. 0 0 3 0 Wind 13 6:15 am ? ? Atascosa County Severe thunderstorms with wind quart estimated at over 50 mph caused scattdred minor damage over the northern half of Atascosa Compty particularly around Pledsanton and Poteet. 11 Sinton, San Patricio 1:00 pm Funnel cloud The funnel passed to the northwest of Sinton as it and its associated heavy showers moved rapidly to the north-northwest. 0 0 2 13 6:15 am | \*\*50 | 20 0 Tornado 3S Calliham, McMullen Co. A small tornado spun out of heavy thunderstorms that moved east-northeast over McMullen Cqunty| The twister was seen to touch ground briefly on the Bradman Ranch 3 miles south of Calliham near the McMullen-juc Oak county line. We significant damage occurred as the tognado scattered debris along its short path 11 1:00 pm astal waters, ? 0 o į o 0 Waterspout A phiot observed the waterspout in the Gulf of Mexico about 30 miles east of Galveston on due south of Mpd Lake, Jefferson Co.
It apparently did not interfere with marine or bil rig operations. ugh brush country. 11! 1:25 pm Corpus Christi Bay. Funnel cloud 13 3:00 pm | Short | Narrow | 0 | 0 | 0 Woodville, Tyler Co. 0 Tornado Nueces Co. funnel occurred over waters of the bay about 1 mile east of Nueces Bay Causeway. A Tyler County sheriff's efficer observed a low hanging funnel cloud aloft just east of woodville. The funnel moved east at 30 mph and the officer did see it briefly dip to ground level over a heavily wooded area two miles east of Woodville. Trees were twisted and uprooted but no property was damaged. Corpus Christi, Nueces Co. City-ide 0 2 Thunderstorm downpurs produced up to 5 inches of rain within a 3 hour period across the city. Extensive street and urban flobding resulted in water standing 4 feet deep in parts of the city. Damage was not buildeved to be severe, however, some buildings and a number of cars did teceive water damage. Clear Lake, Harris 29 9:00 am Funnel clouds ouple of funnel clouds formed over the Clear Lake area in reme southern Harris County, They soon receded and caused 3:35 pm Short Narrow 0 0 0 0 Tornado, funnel TEXAS 6W Rockport, Aransas WESTERN Twin funnel clouds were initially observed 6 miles west of Rock-port. As they moved northward with associated showers, one of the funnels was seen to touch ground briefly just west of Port Bay. The area was open undeveloped marshland and no damage occurred. Slaton, Lubbock County 20 12:00 p 0 1 0 Funnel Clouds A series of three or four small, low-energy funnels were observed in the vicinity of Slaton. No damage occurred and each dissipated after 5 to 10 minutes. The funnels were highly visible; however, and the actual number of funnels is difficult to determine due to multiple reports. Portland, San Patricio Co. Portland city police signed two funnelsahoft near Highways 181 and 35. Moderate to heavy thundershowers in the area were nearly stationary at the time. Reeves and Loving Counties 25-28 0 6 4 Flooding Heavy rains, falling on the watershed of Ottomwood Draw, (50 miles northwest of Pecos) caused flooding of the north and south sides of the City of Pecos as the water backed up against the highway south and west of the city, Water was reported as high as 3 feet with approximately que-quarter of the city flooded. Damage in the city and county area adjacent to the city was estimated at \$100,000 to over 70 homes as well as amother \$100,000 to streets. Damage was extensive in the northern portion of Reeves County although amounts were light. Hayr cains (12 inches reported near Guadalupe Peak) on the Pecos River watershed on the morning of September 26 caused la sharp rise on the river and flooding from Orla to Barstow. Approximately 200 persons were evacuated from Mentone in Loving County, but returned the following day. Little actual damage occurred in the later river flood. Total damage in all flooding was estimated at 15 million dollars. Rockport, Aransas 11 6:40 pm Funnel cloud funnel was seen in the Rockport area Heavy rain Goliad, Refugio and 12 Early 0 0 | 7 Area-wide Victoria Counties morning Heavy rain began over the three-county area the evening of the 11th and by early morning hours of the 12th, as much as 6-1/2 inches of raim had fallen im Victoria city, over 9 inches had fallen over 6 inches had fallen at east of Victoria, and over 6 inches had fallen at Refugio. Highways 59 and 77 south and west of Victoria were under water and suffered some damage, widespread flooding occurred within the city of Victoria as streets bedems impassable. The amount of flood damage to vehicles, buildings, and personal probably was bot known. property was not known.

		CAL	РАТН	£		OF SONS	EST IM	ATED†				CAL	ATH.	Ξ.		OF SONS	ESTIM	ATED†	SEPTEMBER 197
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	(אוררבם	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
TEXAS (continue WESTERN Presidio County	l .	ep -			0	0	5	4	Flooding	WISCONSIN Eau Claire, Trempeauleau and Buffalo counties	12	Evening and nigh		-	0	0	100,00	0 ?	Heavy rains causing flooding conditions
	of S Gran Sept	eptember 2 de River. ember 26 a	4 and At Po	25 caus esidio, age of	ed a the 25.6	slow rive feet	but s cres	teady ted on feet.	co, on the nights rise on the Rio the afternoon of above flood stage. I September 27 stage.								           		
	Mexi	co brought	i about	ia seco	nd r	ise o	the	kio Gr	30 on the Rio om reservoirs in ande and the second at Presidio in	Sheboygan County		Afternoo			0	į	1   75, 00   100,00	10	Wind
	dest Sout	royed nea h of Presi land were	dio to	dio wit Lajita	hso s,n	ne 60 early	0 acre 7,000	s of f	at Presidio in of levees were armland flooded. of unplanted DO acres of crops. trails were posited in the e was destroyed, igation pumps		Eas wave Shel	terly wind s to 10 f oygan Yac       	s gust eet ca ht Clu	ing fro using b b and a	in 30 etwee numb	to 50 n \$79 er of	mph a ,000 a boats	Mipped Ind \$10   moore	Lake Michigan 0,000 damage to d there.
	cama	foundation ged. The ly \$500,0	water	Subside	nnder od om	cut, Octo	and so ber 4	me irr after	igation pumps having caused	Ozaukee County	Lig	  tning-cau	- sed fi	- re dest	0 royed	   barı	i 80,000 and a	i 11 the	Lightning contents,
UTAH SALI LAKE COUNTY	17	5:30 P- 11:30 P		   	0	0	5	0	Heavy Rain -   Flooding	WYOMING Fremont County	inc	uding 150      7:30 p.	tons	bf hay. !*15	Est	imatı     	d 1os:	in ex	cess of \$80,000. Wind
		brought to Lake Valle noted near Creek. De estimated	tunder bunder y Ba low i mages at ap	storms a sement ying a to home	nd h floo eas s an ely	e af eavy ling of the low 250,	ternoo rainfa of abo e Jord er sub	h and 11 to µt 100 ¤n Riv µivisi [1.38 i	passed through evening and most of Salt homes was er and Mill ons was nches of	Lincoln County	Stron inclu elect estin	MDT g winds a ding down	    socia  ed pow	ted wit er line town.	hac s, up Wind	pld proote gusts	ront ( d tree in e	aused s, and cess o	damages in Riverto subsequent f 50 mph were
VERMONT		precipita Up to 2.5 Bench are	inche	curred of ra	nfal	he at	rport urred	with the latest the la	his storm. the Salt Lake	Zincom councy	to 18	 		*45 from a	l 0      eavy		l °5		Snow ost of Lincoln
VIRGINIA				KEI OR							Count	y include es across 	downi the co	ed powe ounty.	lin	es ar	d tree	s, and	ost of Lincoln extensive crop
Danville	Wide dest	royed seve	er out	ansform	ers :	n the	ited to	ligh Loc	Lightning, Rain tning strikes that al minor flooding			 					       		
Page County	16 Bolt	rred, with Evening of lights	ing re	sponsib	0 le fo	o r fi	4 re tha	0 dest	Lightning			       			       		 		
Richmond-Petersburg area	its	6:00 p- 8:00 p	n the	Fletche	r Che	pel	:ommun	ty we	st of Luray. Lightning, Rain			       			       		 		
	heav ted estin	rainfall in the Riq mated \$17,	. Arou hmond 000 ds or fld	nd 6,50 area, w mage to oding o	0 hor ith its ccur	es he ne te elec ed 1	d electeris:	trical on sta cicui pots	ne with locally service interrup- tion reporting an ry due to light- s up to three-and-			 				 			
Newport News	22 Blaze	Night started	by lig	htning	0 desta	oyed	4 a gar		Lightning I two classic motor-				 						
VIRGIN ISLANI Virgin Passage	os	4:45 p.		·	0	0	0	0	Waterspout						     	   			
WASHINGTON			NONE	REPOR	TED														
WEST VIRGINI Kanawha county	10 Gol	5:35pm f ball s idly dev	ize h elopi	ail re	0 port nder	ed a	0 it Cal	0 in Cz	Hail reek from a										
													j						

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	KILLED 33.05		PROPERTY		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. SPARS		PROPERTY DAW		CHARACTER OF STORM
	!	тн	E F	OLLO	WI	NG	AR	E L	ATE REPORT	S, CORRECTIO	NS	, AND	DE	LETI	ON	S:			
LATE REPO	RTS	!		į	ij	- [	į	Į		LATE REPO	RT	s ·		į		j	ļ	ĺ	
PENNSYLVANI	A	į	İ	JULY	978		į			PENNSYLVANI.	A (co	ntinued)		JULY !	1978	į		Ì	
WESTERN Hempfield Township	10 A	ftn.		!	0	3	0	0	Lightning	Indiana	1	4:50pm		   	0	0	4	i i	Thunderstorm Wind
(Westmoreland Co.)	to a l	ocal hos	pital	in fair	con	lition	. Tw	of h	s later admitted is sisters, 150			g Rte 119					o a pa	rely-c	onstructed church
	!		re sli	ghtly a	ffec	ed bly	the		ing strike.	Punxsutarmey	í	5pm			С	1	0	i i	Thunderstorm Wind
Johnstown area	10   2 Lightn		ck two	homes	in t	e are	a. 0		Lightning the homes suffered										play table into uth of town.
		lama ge •					, أ			State College	ı	5±30pm 		ļ., ,,	0	0	4	! }	Thunderstorm Wind
Connellsville	10'   1 Strong		storm	winds p	icke	0   1 1 up p	4 hous	: :	Thunderstorm Wind ler and threw it		Mal1	gusts to: • The Per Omph•	te a 3 nn Sta	te Univ	rsit	secq y Wea	ther S	tation	from the Nittany recorded gusts
	l i	n embank	ment d	nto fi	e pa	ked p	ars.		_ ,	Centre Hall	1	     5:40pm	!	!		0	?		Thunderstorm Wind
Ellwood City area	The ro							art an	Thunderstorm Wind d one half of a			mobile ho	i he was	  overtu: 	ned	by hi	İ	ds.	'
	West P	ittsburg	, a st	mmer ho	use	ind la	wn fu	mitur	ip. In nearby e within were ex-	TEXAS	}	   	į	į					
		rely dama l trees							i minor injuries.	Port Arthur Jefferson Co.	25	2:00 pm		}	0	1	2	0	Electrical
Slippery Rock Township (Lawrence Co.)					i i	1	4		Thunderstorm Wind		yard	of his r	siden	de in no	rthe	st P	ort Ar	thur.	trike while in the The lightning hit
Portersville	ĺ		ore a	large n	etalj	port:	on of		rom a house. Thunderstorm Wind		just The	minutes   bolt shre	efore	heavy s	hower te was	s be	gan to ring a	fall nd mel	on the area. ted the frames of
Portersville	l i	:20pm ; winds f	latter	ed a ba	rn.		, ,				but	made a su	den r	lapsed	into	a co lays	ma as laters	a resu   	Lt of the strike,
Butler Township	l i	:30pm		i	0	0	?	0	Thunderstorm Wind	5 NE Three Rivers Live Oak Co.	28	1:20 pm	1	35	0	٥	0		Tornado
		50 large houses							field area. A num-		A te	nuous roperes of he	-like vy sh	funnel wers.	was The	bser Tunne	ved to 1 exte	form nded t	near the edge of the ground from yel. The tornado Highway 72 about
Petrolia, Bruin	23 3	- 1			0	1	4		Thunderstorm Wind		firs	bud base of t hit the	stima surfa	ed 1500 ce on th	fee e no	abo	ve gro	ind le State	vel. The tornado Highway 72 about
	One wo	man was	injure	d when	the 1	oof o	f her	house	by strong winds. was blown off.		last	ing for al	out 5	minutes	, and	cut	a swa	th thr	tward about 15 mph, ough a field
East Brady, Bradys		us other :05pm	nomes	in the	area	24	: a1501     5		I Tornado	VIRGINIA Wise County	23-	Night				0			174 4 75 4 7
Bend	One ma	n drowne	d when	he was	blov	n fro	mab)	hat do	k into the Alle-	wide doubly	24		į				3		Wind, Hail
	creek	were fl	ipped	into th	è air	son	e boat	s were	and on a nearby thrown to shore. boat docks were		fall	en trees b	Locked	some r	bads.	Area	in vi	cinity	wer lines, while of Big Stone Gap
									led trees.		leve	ed corn,	tobacc	b and c	ther	crops	.1~81Z€	hail	about 2:30AM
Watersonville		4:10pm	?	i ?     alaht a	0	2	5 Overtu	ı	Tornado seriously injuring	Spottsylvania (nr)	54	2:30 p		1	0	1	4	0	Wind
	two p	ersons.	Three	mobile	home	s wer	e over	turned	and several others felled, or broken		Home ber	under con flattene	struct il by f	don - d reak wi	ue to nd. T	ъе е wо пе	omplet n, wor	ed the	first of Septem- n upstairs portion; uninjured, how-
	off h	alfway u							·		ever	his fathe	r suff	ered sh	bne p bulde	ulled r in	himse uries.	lf out Damag	uninjured, how- e estimated at
Knox		4:10pm y to for	     tra	    vel tra	llers	18 and	5 campin	[	Thunderstorm Wind s were overturned	Charlottsville	24	around \$	#10,000   		0	.	,	0	Rain
	and n	inety ot size hai	hers w 1 was	ere dam reporte	aged d. A	at th	e Knox foot ::	KOA (	ampground. Golf- lide was destroyed	VIII 2000VIII		i -	i torm r	l ain res	! !	i	3 .ocal 1	! !	g on Route 29.
	and to	ood-fram ment and	e cabi machi	ns at t ne stor	he ca e nea	mpsity rby sp	e were ustain	blowr ed ext	apart. A farm ensive damage.					AUGUS		- 1			, on nouse cy,
Porter Township (Clarion Co.)	23	?	į		0	0	5		Thunderstorm Wind	CALIFORNIA			j L				į		
(62.122611 302)	The re	oof of the roof	he Por of a n	er Tow earby h	nship ome.	Elem	entary	Schoo	1 was blown off as	NORTHERN			NONE	REPOR	TED	İ	ļ	į	
Clarion	1 1	4:30pm	į		0	0	5	l	Thunderstorm Wind						İ		į	ļ	
	offic	e was le	veled.	Sever	al ai	reraf	t were	sever	as the airport ely damaged. The							į		į	
	moment	er was d	estroy	d by t	he fo	rce o	f the	wind.	before the ane- In the town of pl by the wind.						İ	1	ĺ	1	
Corsica	1 1	4:50pm	[		ere u	0	4		Thunderstorm Wind										
	I i	oof and .	wall	of the	loca	sch	ool we	!	ished.	MARYLAND &	D 0				ļ				
Brookville	1 1	4:45pm		 	0	18	5		Thunderstorm Wind	Lineboro (nr),	28	3:30 p	2.3	30	0	١	3	2	Tornado
	snappe through	rinecre ed apart chout the	in app	arent	parali esvil	ver el 1 dam	lnes.	liany Sever	re blown over or Farm buildings al fruit tree or-	Carroll County	Smal Penn	l tornado svlvania	appare It cor	ntly mo	ved i in a	nto nort	arrol.	Count	y from York County, theast path, up- , killing a steer
	chards Nemor	were f	attene was de	d. The	homed. 1	tea	n dugo and v	ut at ehicle	Farm buildings al fruit tree or- gray's Field were damaged by it to all but emer-		root	ed or twis	ted of	f trees	and ring	dest	oyed a	shed appr	, killing a steer bached her home. In t above ground
	Serre	crarric	arter	Luc at	drine.	ly hot	LLION	br rue	insbreagte tarm		leve	1 by the 1	orce o	of the w	ind,	but	no dama	ige wa	done to house
	Market	c was der	1 <b>40115</b> h   	id∎ On⊲	elmob:   	lle h	ome ea	st of   	town was destroyed.		next	to it. To	ital de   	mage es   	timat	ea a	arou	na \$3	,000.
			]	1								   	<b>)</b> }	 					
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		CAL	PATH	Ŧ		OF SONS		ATED!				CAL	PATH	¥		OF SONS	ESTIM.		
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF !	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
CORRECTION MARYLAND & Carroll County  TEXAS SOUTHERN Bandera, Kendall, Kerr, Gillespie Counties	DNS D.C. 28 A the east properties around aro	3:30 p understorn portion prty dama rated at und \$1,000	with of the ge and \$1,500	county a corni Proper	wind: One- ield ty de ton w	778 0 0 nome flat image	hail repor tened. due t	noved ted tr Crop wind	Wind, Hail across the north- bes down, some loss due to hail was estimated at  Heavy rain  upplement the updates on this DRRECTIONS" as	7 \$5 Milli 8 \$50 Mill 9 \$500 Mil Note: This publics to the difficulties all-inclusive. Lat following receipt o SUBSCRIPTION PRICE: 30c single copy. T	p dam d of d of s are n \$500 \$5,000 \$5,000 to \$5 to \$ cion t lion inhe e Rep f the \$3.	yards. miles. placed i  00 ,000 00,000 \$55 Million \$50 Million \$50 Million contains rrent in contas and ise data. 60 per ye 18 a mini	n cates ion illion cour bes collect: Correct ar; \$4	gories of informations with the second secon	rmatic the ty ill be	on on on on one or or or or or or or or or or or or or	storms f data; rled in r fore: each (	s but, s it 1s s the s (gn ma	due s not month iling; of shelf-
i				 						stocked issues of p merce, NOAA; send p Building, Asheville	aymer	28801.	ders to Attn:	o; Nat Public	ional ation	Clim s.	atic G	enter,	Federal

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